

## EAST Search History

| Ref # | Hits    | Search Query                          | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|---------|---------------------------------------|---|------------------|---------|---------------------|
| L1    | 9       | "5629585"                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>07:16 |
| L2    | 5       | 11 and density                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>07:16 |
| L3    | 18      | "6111359"                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>07:22 |
| L4    | 5706335 | EP "0917180"                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>07:27 |
| L5    | 0       | EP0917180                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>07:27 |
| L6    | 10      | "6307321"                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>07:31 |
| L7    | 0       | Takeutu near4 "Nobuyosi.<br>inv",     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>09:36 |
| L8    | 7120923 | Takeutu near4 Nobuyosinear<br>(et al) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>09:36 |
| L13   | 0       | Takeutu.inv.                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2008/02/10<br>09:40 |

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| L14 | 19   | Nobuyosi.inv.            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:40 |
| L15 | 3    | 114 and density          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:41 |
| L16 | 0    | 115 and mg/mm            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:41 |
| L17 | 0    | 115 and mg/mm\$1         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:41 |
| L18 | 3    | 115 and mg               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:42 |
| L19 | 18   | density with mg/mm       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:50 |
| L20 | 9    | "5629585"                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:51 |
| L21 | 5    | 120 and density          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:51 |
| L22 | 1791 | density with mg and lamp | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:54 |
| L23 | 333  | 122 and mercury and gas  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:54 |

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| L24 | 146    | 23 and @pd<="20021213"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>09:55 |
| L25 | 2      | "20010038265"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>10:27 |
| L26 | 39     | 24 and ceramic  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>10:51 |
| L27 | 106    | 22 and mercury and gas<br>and ceramic                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>11:29 |
| L28 | 879    | distance with electrode\$1<br>and mercury and gas and<br>ceramic and lamp | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>11:29 |
| L29 | 348    | 28 and @pd<="20021213"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>11:30 |
| L30 | 222    | 29 and (volume or density)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>11:30 |
| L31 | 9      | "5629585"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:12 |
| L32 | 796618 | 31 and vesseland ceramic  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:12 |
| L33 | 0      | 31 and vessel and ceramic   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:13 |

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| L34 | 3  | 31 and ceramic                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:13 |
| L35 | 31 | "5144201"                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:48 |
| L36 | 0  | 5 and ceramic and mercury and gas | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:48 |
| L37 | 0  | 5 and ceramic                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:48 |
| L38 | 9  | 35 and ceramic                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:48 |
| L39 | 0  | 38 and filing                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:50 |
| L40 | 8  | 38 and fill\$3                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:50 |
| L41 | 4  | 40 and mg                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>12:52 |
| L42 | 9  | "5629585"                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>13:09 |
| L43 | 0  | 42 and density with mg/mm         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>13:10 |

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| L44 | 1      | lamp and density with mg/mm                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>13:10 |
| L45 | 7      | lamp and volume with mg/mm                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>13:10 |
| L46 | 125413 | (takeuchi or Nobuyoshi or hirakata near4 shi or osaka). inv. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>13:16 |
| L47 | 4      | 46 and mg/mm   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>13:17 |
| L48 | 3      | 42 and ceramic   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>14:46 |
| L49 | 9      | 35 and ceramic   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>14:56 |
| L50 | 5069   | lamp and (volume or density) with (mg)                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:05 |
| L51 | 362    | 50 and ceramic and electro \$1                               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:05 |
| L52 | 186    | 51 and space and distance                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:06 |
| L53 | 176    | 52 and mm  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:06 |

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| L54 | 56     | 53 and @pd<="20021213"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:06 |
| L55 | 9      | "5629585"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:12 |
| L56 | 3      | 55 and ceramic  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:13 |
| L57 | 1360   | lamp and mg and density<br>and ceramic and mercury<br>and gas | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:20 |
| L58 | 725    | 57 and mm and distance  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:21 |
| L59 | 239    | 58 and @pd<="20021213"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:21 |
| L60 | 239    | 59 and mm   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:23 |
| L61 | 133949 | "239" and (volume or<br>density)                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:23 |
| L62 | 239    | 60 and (volume or density)                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>15:24 |
| L63 | 0      | 62 and mg/mm  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:14 |

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| L64 | 239   | l62 and mg   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:14 |
| L65 | 16819 | density with mg  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:14 |
| L66 | 25    | l64 and l65  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:14 |
| L67 | 106   | lamp and mg with density<br>and ceramic and mercury<br>and gas                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:25 |
| L68 | 39    | l67 and @pd<="20021213"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:26 |
| L69 | 0     | l55 and (ionic or covalently<br>or crystalline or amouphous)                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:35 |
| L70 | 0     | lamp and creamic and<br>distance with mm and<br>electrode with mm and gas<br>and mercury | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:52 |
| L71 | 487   | lamp and ceramic and<br>distance with mm and<br>electrode with mm and gas<br>and mercury | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:52 |
| L72 | 192   | l71 and @pd<="20021213"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>16:52 |
| L73 | 3002  | lamp and (bulb or vessel or<br>envelope) with ceramic                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>17:35 |

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| L74 | 2534 | lamp and (bulb or vessel or envelope) near10 ceramic                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>17:36 |
| L75 | 848  | mercury and gas and l74   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>17:36 |
| L76 | 479  | l75 and @pd<="20021213"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>17:37 |
| L77 | 101  | electrode\$1 with tip\$1 and l76  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>17:37 |
| L78 | 426  | wall near4 load\$3 with (W or watt) and lamp and mercury and gas and electrode\$1 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>18:40 |
| L79 | 197  | l78 and @pd<="20021213"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2008/02/10<br>18:40 |

2/10/08 9:14:53 PM